

## 6<sup>th</sup> Grade Chapter 3 TEST REVIEW

### Decimal Addition, Subtraction, Comparing, Rounding, and Estimating

- I. Decimal Place Value
  - A) Label place value: tenths, hundredths, thousandths, ten thousandths, hundred thousandths, millionths
  - B) Model decimal place value on 10 x 10 grid
  - C) Pronounce decimal place value using the name of the last decimal place, ex: 1.028 = one and “twenty-eight thousandths”
  - D) Write in Expanded Form :  $1.32 = 1 + .3 + .02$
  
- II. Metric Units
  - A) Use decimals to represents Metric Measurement
  - B) Compare between metric units
  - C) Convert between metric units – “Kangaroos, Hop, Down, “Large, Green, Mountains,” Drinking, Chocolate, Milk
  
- III. Order Decimals
  - A) Write decimals in columns
  - B) Line up the decimal points, “line up the dots”
  - C) If necessary add 0’s as place value holders
  - D) Compare place value from LEFT to RIGHT
  
- IV. Round Decimals
  - A) How To Round
    - 1) LOOK to the RIGHT
    - 2) THINK, Keep (4 & below) or Change (5 & above)
    - 3) If you Change, Round up 1 digit
    - 4) If you Keep, Round down or Keep the underlined
    - 5) STOP at the underlined DECIMAL place value,  $.365 = .37$
  - B) Types of Rounding
    - 1) Round to the leading Digit- first nonzero digit
    - 2) Place value
    - 3) Use decimals for large numbers:  $8,200,000 = 8.2$  million
  
- V. Estimation
  - A) Estimate to given place value
  - B) Estimate SUM or DIFFERENCE
  
- VI. Add & Subtract Decimals